

In the Claims:

Please amend the claims as follows:

1. (currently amended) A method for retrieving and accessing data stored in a plurality of systems arranged for operating part of one or more electrical power networks, the method comprising:

adding a new object and data related to the new object into a first system,

adding a copy of the new object into a plurality of relevant systems,

establishing automatically a connection between said relevant systems and the new object,

replicating data related to the new object from the new object to other systems and relevant systems,

establishing ~~the~~ a consistency of accessed or retrieved data in the relevant systems by ~~means of~~ mapping the new object using a model based on a structured text document, ~~and~~

checking ~~the~~ a consistency of attributes of the accessed or retrieved data by identifying the new or a given object and/or copies of the new or a given object and comparing attributes of all copies of the same new or given ~~object~~ object,

requesting data relating to a target object included in one of the systems,

identifying relevant systems including data relating to the target object, and

retrieving the data regarding the target object from identified relevant systems.

2. (previously amended) The method according to claim 1, further comprising:

maintaining object connections for the new object and for any other object accessed, retrieved and/or stored by a SCADA system as well as by any system from the list of: GIS system, ERP system, CMMS system, PM system, WO system, WMS system.

3. (previously amended) The method according to claim 2, further comprising:  
mapping the new object and/or copies of the new object using a model based on a CIM/XML document.

4. (previously amended) The method according to claim 2, further comprising:  
mapping attributes of the new object and/or copies of the new object using a model based on a CIM/XML document.

5. (currently amended) The method according to claim 1, further comprising:  
establishing the automatic connection or connections between copies of the same object in different systems ~~means of~~ utilizing a CIM/XML layer.

6. (currently amended) The method according to claim 1, further comprising:  
mapping the new object ~~by means of~~ utilizing a virtual asset register dependent on the CIM/XML layer and/or mapping.

7. (currently amended) The method according to claim 1, further comprising:  
selecting an object ~~by means of~~ utilizing an identifier in any said relevant system.

8. (previously amended) The method according to claim 7, wherein the identifier may be a Uniform Resource Identifier compatible as an identifier with a standard for Resource Description Framework.

9. (previously amended) The method according to claim 4, further comprising:  
accessing one or more object attributes of the new object and changing an object attribute of the new object in a source system.

10. (previously amended) The method according to claim 4, further comprising:  
updating an object attribute of the new object in the source system.

11. (previously amended) The method according to claim 1, further comprising:  
creating the new object in each relevant system based on object templates.

12. (previously amended) The method according to claim 1, further comprising:  
deleting an object by deleting the object in all relevant systems.

13. (previously amended) The method according to claim 12, further comprising:  
deleting an object by deleting a defined object in each system.

14. (previously amended) The method according to claim 13, further comprising:  
deleting an object by deleting object connections to a deleted object or deleted defined object.

15. (currently amended) A computer program product for retrieving and accessing data stored in a plurality of systems arranged for operating part of one or more electrical power networks, the computer program product comprising:

a computer readable medium; and

software code portions or computer code recorded on the computer readable medium to cause a computer or processor to carry out the steps of

adding a new object and data related to the new object into a first system,

adding a copy of the new object into a plurality of relevant systems,

establishing automatically a connection between said relevant systems and the new object,

replicating data related to the new object to other systems and relevant systems,

establishing ~~the~~ a consistency of accessed or retrieved data in the relevant systems ~~by means of~~ mapping the new object using a model based on a structured text document, ~~and~~

checking ~~the~~ a consistency of attributes of the accessed or retrieved data by identifying the new or a given object and/or copies of the new or a given object and comparing attributes of all copies of the same new or given object,

requesting data relating to a target object included in one of the systems,

identifying relevant systems including data relating to the target object, and

retrieving the data regarding the target object from identified relevant systems.

16. (cancelled)

17. (currently amended) A computer-based system for retrieving and accessing data stored in a plurality of systems arranged for operating part of one or more electrical power networks, said computer-based system comprising:

a plurality of systems storing the data, wherein the data is arranged for operating part of one or more electrical power networks,

a plurality of databases,

a data communication network and which system includes an HMI providing navigation and access to at least one SCADA system and/or database as well as to any system and/or database from the list of: ERP, GIS, CMMS, WO, WMS, PM,

a consistency establisher configured to establish a means for establishing the consistency of accessed or retrieved data in the relevant systems by means of utilizing mapping the data related to a new object to be added to the data using a model based on a structured text document, and

one or more members for checking the consistency of attributes of any data so accessed or retrieved data by identifying the or each new or given object and/or copies of the new or given object in any separate system and comparing attributes of all such copies of the same new or given object from each of the separate systems

a data requester configured to request data relating to a target object included in one of the systems,

an identifier configured to identify relevant systems including data relating to the target object, and

a data retriever configured to retrieve the data regarding the target object from identified relevant systems.

18. (previously amended) The computer-based system according to claim 17, further comprising:

one or members for: adding a new object; automatically establishing a connection between said relevant systems and the new object; and for replicating data related to the new object to other systems and relevant systems.

19. (currently amended) The computer-based system according to claim 18, further comprising:

one or members for: maintaining object connections; providing connection or connections ~~by means of~~ utilizing a layer with a structured text document protocol; and mapping the new object ~~by means of~~ utilizing a structured text document model.

20. (currently amended) The computer-based system according to claim 19, wherein any of: the structured text document protocol layer, or the structured text document ~~means~~ for mapping the new object are implemented with a CIM/XML model.

21. (previously amended) The computer-based system according to claim 17, further comprising:

a virtual asset register.

22. (previously amended) The computer-based system according to claim 21, wherein said asset register comprises a list of power network assets which list comprises in turn cross

reference and mapping data for objects represented and/or stored in a SCADA system as well as in any system from the list of: GIS system, ERP system, CMMS system.

23. (previously amended) The computer-based system according to claim 21, wherein said asset register comprises a list of references for all objects representing individual items of physical and/or logical equipment comprised in the one or more parts of the said power network.

24. (previously amended) The computer-based system according to claim 23, wherein the list comprises a master list of all objects in the one or more parts of the said power network together with the mapping data for each object according to a CIM model.

25. (previously amended) The computer-based system according to claim 24, wherein object data for the objects comprised in the master list of the asset register is stored in at least one separate system including any of a system for: SCADA, GIS, CMMS, ERP, PM, WO.

26. (previously amended) The computer-based system according to claim 24, wherein the asset register is a virtual asset register, which does not comprise any object data for the objects comprised in the master list and comprises only link information or cross reference data or mapping data.

27. (previously amended) The computer-based system according to claim 17, further comprising:

a virtual asset register implemented according to an XML or CIM model or document.

28. (previously amended) The computer-based system according to claim 17, further comprising:

an HMI that may comprise object data accessed or retrieved or stored in a SCADA system and/or database as well object data originating in any system and/or database from the list of: ERP, GIS, CMMS, WO, PM.

29. (currently amended) The computer-based system according to claim 17, further comprising:

a display comprising a human-machine interface for retrieving and accessing data stored in a plurality of systems arranged for operating part of one or more electrical power networks, which HMI comprises ~~a display including~~ data accessed or retrieved from or stored in a SCADA system, and also comprising data accessed or retrieved from or stored in any from the list of: GIS system, ERP system, CMMS system, PM system, WO system.

30. (currently amended) The computer-based system according to claim 29, wherein the human-machine interface comprises at least one graphical user interface ~~with means for manipulation of~~ a data manipulator configured to manipulate the data retrieved from or stored in the SCADA and any of the systems for GIS and/or ERP and/or CMMS.

31. (previously amended) The computer-based system according to claim 29, wherein said human-machine interface reads out any object property independent of source.



32. (currently amended) The computer-based system according to claim 29, wherein the human-machine interface comprises ~~means to provide~~ access to simultaneous data stored in or held by any of the list of: SCADA system, GIS system, ERP system, CMMS system, PM system, WO system.